

# EUROPEAN PATENT OFFICE

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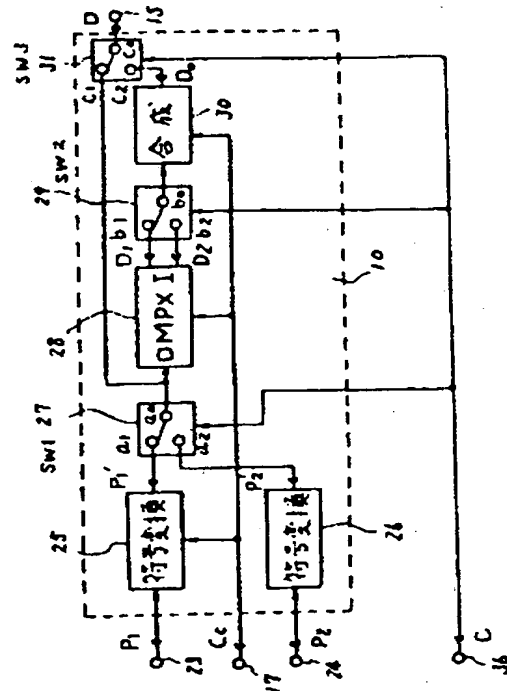
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TITLE : PCM SOUND RECEIVER



**ABSTRACT :** PURPOSE: To record a PCM sound signal with high quality onto a DAT by converting a PCM sound signal of plural channels into a DAT format and using a switch circuit so as to select various recording modes.

**CONSTITUTION:** Digital sound signals  $P_1$ ,  $P_2$  from a signal processing circuit are inputted from terminals 23, 24 to code converters 25, 26 respectively. Then the circuits 25, 26 convert consecutive PCM signals  $P_1$ ,  $P_2$  of channels 1, 2 and 3, 4 respectively into signal series  $P'_1$ ,  $P'_2$  in matching with the format of the DAT. The circuit 27 uses a control signal C so as to apply switching control corresponding to each broadcast mode, and sound signals  $D_1$ ,  $D_2$  for each channel are separated from the signals  $P'_1$ ,  $P'_2$  selected at the circuit 27 by a demultiplexer 28 and inputted to a synthesis circuit 30 via a switch circuit 29 and synthesized into a timewise consecutive sound signal  $D_0$ , and inputted to a contact  $C_2$  of the switch circuit 31. A stereo signal of two channel consecution inputted to the contact  $C_1$  of the circuit 31 and a monaural signal of one channel at a contact  $C_2$  are selected and the result is outputted (15).

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